

**Model: TMLA-100140-3050-06**
**Low Noise Amplifier**
**100-140GHz, NF:5.5 dB, Gain:30 dB**
**Feature:**

- Ultra Wide Band: 100-140 GHz
- Gain: 30dB Typ
- Noise Figure: 5.5dB Typ
- Unconditional stability

**电气特性 Electrical:**

参数Parameter	Min.	Typ.	Max.	单位Units
频率范围 Frequency range	100		140	GHz
增益 Gain		30		dB
噪声系数 Noise Figure		5.5		dB
输出功率1dB压缩点 Output P1dB		-10		dBm
输入驻波 Input VSWR		3		: 1
输出驻波 Output VSWR		2.5		: 1
直流电压 DC Voltage		+5		V DC
直流供电 DC power supply		80		mA

**机械特性 Mechanical :**

参数Parameter	指标 Value
输入接口 Input Connector	WR-06/ UG-387/U
输出接口 Output Connecto	WR-06/ UG-387/U
供电引脚 Power Supply Pin	Solder Pin
尺寸 Size	/

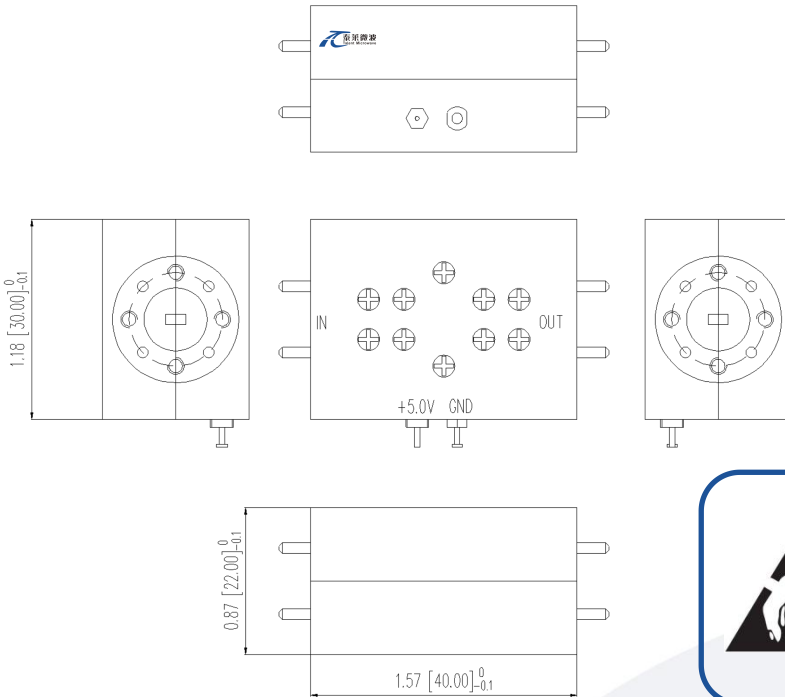

 Available 220V System  
 Benchtop Amplifier

**绝对最大值 Absolute Maximum Ratings:**

参数Parameter	指标 Value
供电偏置电压 Supply Bias Voltage	+5V
输入功率 RF INPUT POWER	TBD
ESD灵敏度 ESD sensitivity (HBm)	Class 0, passed 150V

**外形尺寸 Outline Drawing:**

Unit: mm(Inches)



**温度环境 Environmental Conditions:**

参数Parameter	Min.	Typ.	Max.	单位Units
操作温度 Operating Temperature	-55		+85	°C
存储温度 Non-operating Temperature	-45		+125	°C
相对湿度 Relative humidity		95		%
海拔 Altitude	50,000			feet
震动 Shock / Vibration(MIL-STD-810F)	25g rms (15 degree 2KHz) endurance, 1 hour per axis			
冲击 Shock(non operating)	20G for 11msc half sin wave,3 axis both directions			

**订货信息 Ordering Information:**

标准型号 Part Number	描述 Description	版本号Revision
TMLA-100140-3050-06	Low Noise Amplifier, 100-140GHz, Noise Figure:5.5 dB, Gain:30dB, P1dB:-10dBm,5V DC, WR-06	Rev.1.1